

AMENDMENTS TO THE CLAIMS

- 41
- Claim 1. (Canceled)
  - Claim 2. (Canceled)
  - Claim 3. (Canceled)
  - Claim 4. (Canceled)
  - Claim 5. (Canceled)
  - Claim 6. (Canceled)
  - Claim 7. (Canceled)
  - Claim 8. (Canceled)
  - Claim 9. (Canceled)
  - Claim 10. (Canceled)

1  
Claim ~~11~~. (Currently Amended)

An apparatus for inspecting an optical device on an optical module, comprising:

an optical platform;

an inspection station disposed along a top surface of said optical platform having an optical device interface located a fixed first distance above the top surface of said optical platform; and

an optical module carrier for holding the optical module and conveying the optical module along the top surface of said optical platform to the inspection station, said optical module carrier positioning said optical device at a second

distance above the optical platform corresponding to the fixed first distance, such that said optical device is aligned with said optical device interface for performing said inspection of said optical device, said optical device interface is located above the top surface, wherein said optical platform has a top surface coated with a silicone base coating.

81  
cont  
[ Claim 12 (Cancelled)

3  
Claim ~~13~~. (Currently Amended)

An apparatus for inspecting an optical device on an optical module, comprising:

an optical platform;

an inspection station disposed along a top surface of said optical platform having an optical device interface located a fixed first distance above the top surface of said optical platform; and

an optical module carrier for holding the optical module and conveying the optical module along the top surface of said optical platform to the inspection station, said optical module carrier positioning said optical device at a second distance above the optical platform corresponding to the fixed first distance, such that said optical device is aligned with said optical device interface for performing said inspection of said optical device, said optical device interface is located above the top surface, wherein said optical module carrier further comprises:

a tray having a top surface for supporting the optical module; and  
a plurality of rollers for conveying said tray, said rollers each mounted in a bottom surface of said tray, each of said rollers extending a fixed distance below the bottom surface of said tray.

<sup>1</sup>  
Claim ~~14~~. (Previously Presented)

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cont  
The apparatus of claim ~~13~~<sup>3</sup>, wherein said optical module carrier further comprises:

vertical pillars for securing said optical module on the top surface of the optical module carrier.

<sup>5</sup>  
Claim ~~15~~. (Original)

The apparatus of claim ~~13~~<sup>3</sup>, wherein said optical module carrier further comprises:

a plurality of springs corresponding to said plurality of rollers, each of said springs mounted in the bottom surface of said tray between said plurality of rollers and said optical module carrier.

Claim 16. (Canceled)

Claim 17. (Canceled)

Claim 18. (Canceled)

Claim 19. (Canceled)

Claim 20. (Canceled)

Claim 21. (Canceled)

Claim 22. (Canceled)

Claim <sup>1</sup>~~23~~. (Currently Amended)

91  
int  
A method for inspecting an optical device on an optical module, comprising:

obtaining the location, on an optical platform, of an inspection station and  
obtaining the coordinates of an optical device interface positioned at the  
inspection station;

conveying the optical module along a top surface of ~~an~~ the optical platform  
to ~~an~~ the inspection station ~~having an~~ in which the optical device interface is  
located at a fixed first distance above the top surface of the optical platform  
defined by the coordinates;

positioning the optical device, based on the obtained coordinates, at a  
second distance above the optical platform corresponding to the fixed first  
distance using an optical module carrier, such that said optical device is aligned  
with said optical device interface for performing said inspection of said optical  
device; and

inspecting the optical device at the inspection station.

Claim ~~24~~<sup>2</sup> (New)

The apparatus of claim ~~1~~<sup>1</sup>, wherein the location on the optical platform of said optical device interface is precisely defined by pre-measured coordinates.

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end  
Claim ~~25~~<sup>6</sup> (New)

The apparatus of claim ~~13~~<sup>3</sup>, wherein the location on the optical platform of said optical device interface is precisely defined by pre-measured coordinates.

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